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| 10/030,377 | 10/26/2001 | Yair Oren | 20568-69181 | 8715 |

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EXAMINER

ROBERTS, BRIAN S

ART UNIT PAPER NUMBER

2662

DATE MAILED: 09/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/030,377

Applicant(s)

OREN, YAIR

Examiner

Brian Roberts

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 October 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-7 have been examined.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- In reference to claim 1

The term "substantially continuously" in claim 1 is a relative term which renders the claim indefinite. The term "substantially" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claim 1 recites the limitation "the member circuits" in line 10. There is insufficient antecedent basis for this limitation in the claim.

Claim 1 recites the limitation "the two instances" in line 8. There is insufficient antecedent basis for this limitation in the claim. It is unclear which two instances the limitation is in reference too.

- In reference to claim 3

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Claim 3 recites the limitation "the circuitry" in line 19. There is insufficient antecedent basis for this limitation in the claim.

- In reference to claim 5

Claim 5 recites the limitation "the lookup table entry" in line 24. There is insufficient antecedent basis for this limitation in the claim because there is insufficient antecedent basis for a "lookup table".

- In reference to claim 6

Claim 6 recites the limitation "the pointer field" in line 25 and "the group table" in line 26. There is insufficient antecedent basis for this limitation in the claim.

- In reference to claim 7

Claim 7 recites the limitation "the lookup table" in line 28. There is insufficient antecedent basis for this limitation in the claim.

- In reference to claims 2 and 4

Claims 2 and 4 are rejected because they depend on claim 1.

Claim Rejections - 35 USC § 102

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4. The following is a quotation of the appropriate paragraphs of 35

U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-6, as best understood, are rejected under 35 U.S.C. 102(e) as being anticipated by Calvignac et al. (US 6044079)

- In reference to claims 1 and 3

Calvignac et al. teaches an ATM packet discard method and system that includes:

- In Figure 6, an VCC table (80) (group table) contains a packet discard field (85) that indicates whether data cells of a data cell should be discarded or not (column 9 lines 4-18)
- In Figure 7, data cells having a cell identifier are received (102) and the cell identifier is used to determine a table key for the data cell (104)
- The arriving data cells are compared to VCC table (80) to determine whether the packets are to be discarded (column 10 lines 45-56)
- Data cells not discarded are routed to the proper outbound link (column 11 lines 21-25)

- In reference to claim 2

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Calvignac et al. further teaches maintaining VCC table (80) (lookup table) containing entries for not discarding (forwarding the cells) and routing the data cells to the proper outbound link

- In reference to claim 4

Calvignac et al. further teaches the N number of Table-Index field (83) determines the size of the VCC table. (column 9 lines 6-12)

- In reference to claim 5 and 6

Calvignac et al. further teaches a table key M for the data cell where the number of M bits equals the number of X-bits plus Y-bits plus Z-bits.

Allowable Subject Matter

6. Claim 7 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- Adams et al. (US 6282171) teaches a system and method regarding packet discard.

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- Noven (US 5884297) teaches a method for maintaining a look-up table in an ATM system.
- Hluchyj (US 6151325) teaches a method for discarding cells in an ATM system
- Noven (US 5809501) teaches a method and system of database management in an ATM environment
- Akiyoshi (US 5715237) teaches an ATM switching equipment relay system and method.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Roberts whose telephone number is (571) 272-3095. The examiner can normally be reached on M-F 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BSR
09/02/2005



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